



UNIVERSITY OF TORONTO UNIVERSITY EXTENSION

DIRECTOR: J. R. COULTER, B.A.

ASSISTANT DIRECTOR: W. R. J. KIRK, M.A.

BUSINESS AND INDUSTRY COURSES

Session 1956 - 1957

PHYSICAL METALLURGY

October 2 -- December 4

Tuesday evenings	10 lectures
------------------	-------------

Sponsored by the American Society for Metals, this Course is a series of 10 lectures in which the fundamentals of the heat treatment of non-ferrous and ferrous materials will be discussed. Constant reference will be made to phase diagrams wherever possible. This will not be a complete discussion of the topics, but an attempt will be made to discuss first principles and to show how they may be applied to the more complex systems.

LECTURER: Professor W. C. Winegard, M.A.Sc., Ph.D.,
Department of Metallurgy,
University of Toronto

TIME: Tuesday evenings, 7:30 p.m., commencing October 2nd.

PLACE: Room 414, Mechanical Building

FEE: \$15.00

REGISTRATION: By mail or in person at Room 108, 65 St. George Street,
9 a.m. to 5 p.m., every day except Saturdays.

$\mu_{\text{eff}} = \frac{\partial H}{\partial B}$ (in G)

Current TA = 1.0 A

Field (Gauss) = 0.07

Current TA = 2.0 A

Sample 14

Sample 14 is a rectangular bar of dimensions 10 mm x 10 mm x 10 mm.

It has a central rectangular hole of dimensions 5 mm x 5 mm x 10 mm.

The sample is made of a single crystal of Fe_{3}O_4 .

It has a central rectangular hole of dimensions 5 mm x 5 mm x 10 mm.

The sample is made of a single crystal of Fe_{3}O_4 .

The sample is made of a single crystal of Fe_{3}O_4 .

The sample is made of a single crystal of Fe_{3}O_4 .

The sample is made of a single crystal of Fe_{3}O_4 .

The sample is made of a single crystal of Fe_{3}O_4 .

The sample is made of a single crystal of Fe_{3}O_4 .

The sample is made of a single crystal of Fe_{3}O_4 .

The sample is made of a single crystal of Fe_{3}O_4 .

The sample is made of a single crystal of Fe_{3}O_4 .

The sample is made of a single crystal of Fe_{3}O_4 .

The sample is made of a single crystal of Fe_{3}O_4 .

The sample is made of a single crystal of Fe_{3}O_4 .

The sample is made of a single crystal of Fe_{3}O_4 .

The sample is made of a single crystal of Fe_{3}O_4 .

The sample is made of a single crystal of Fe_{3}O_4 .

The sample is made of a single crystal of Fe_{3}O_4 .